

IN THE CLAIMS

Please amend and/or cancel the claim(s) of the captioned application, and/or add claim(s) to the captioned application, in accordance with the following annotations and/or mark-ups showing all change(s) relative to the previous version(s) of the claim(s) as required by 37 C.F.R. 1.121:

1. (Currently amended) A seal fitting for connecting a thermocouple (TC) or resistance temperature detector (RTC) to a lead wire from a sensor ~~positioned on the opposite side of a bulkhead~~ comprising:

a shell;

means retained to said shell for clamping a lead wire from a TC or RTD sensor;

a ceramic disk retained in said shell in spaced relationship to said sensor wire clamping means;

a male conductive pin with one end in electrical contact with said sensor wire clamping means and the other end extending through said ceramic disk, the ceramic material comprising said disk sealing against said conductive pin;

a sleeve engaged to said shell with the ceramic disk interposed between said sleeve and said sensor wire clamping means;

a female conductive pin extending through said sleeve and into electrical contact with said male conductive pin when said sleeve is engaged to said shell; and

means in electrical contact with said female conductive pin for clamping a lead wire from the TC or RTD.

2. (Currently amended) The seal fitting of claim 1 wherein said sensor wire clamping means comprises a clamping tab biased away from a receptacle for receiving the TC or RTD sensor lead wire and a ~~eap~~ screw for tightening said clamping tab against the TC or RTD sensor lead wire when the TC or RTD sensor lead wire is received within the receptacle.

3. (Currently amended) The seal fitting of claim 2 wherein said TC or RTD lead wire clamping means comprises a clamping tab biased away from a receptacle for receiving the TC or RTD lead wire and a ~~eap~~ screw for tightening said clamping tab against the TC or RTD lead wire when the TC or RTD lead wire is received within the receptacle.

4. (Currently amended) The seal fitting of claim 2 wherein said clamping tab is biased away from the receptacle by a spring, said spring being confined by a threaded tab, said cap screw being threaded through said threaded tab.

5. (Currently amended) The seal fitting of claim 2 wherein said clamping tab is provided with a prong extending into the receptacle for receiving the TC or RTD lead wire for contacting the TC or RTD lead wire when said cap screw is tightened.

6. (Currently amended) The seal fitting of claim 1 additionally comprising a body for engaging the a bulkhead, said shell being provided with a groove for receiving an O-ring therein for sealing against said body.

7. (Original) The seal fitting of claim 1 wherein said ceramic disk and said sensor wire clamping means are located at opposite ends of said shell.